7. (Amended) The plant of claim 6 comprising a heterologous DNA sequence coding for a cellulase stably integrated into its nuclear or plastid DNA and under control of a promoter active in plants.

8. (Amended) The plant of claim 16 wherein the inducible promoter is a wound-inducible or chemically-inducible promoter.

Please cancel claim 10 without prejudice.

Please add the following claims:

--16. (New) The plant of claim 7 wherein the promoter is an inducible promoter.

17. (New) The plant of claim 7 wherein the promoter is a constitutive promoter.

18. (New) The plant of claim 6, wherein the cellulase is an endocellulase (β-1,4-endoglucanase or β-D-glucosidase).

19. (New) The plant of claim 7 wherein the heterologous DNA sequence further comprises a targeting sequence.

20. (New) The plant of claim 19 wherein the targeting sequence is a vacuole-targeting sequence.

21. (New) The plant of claim 6 wherein the cellulase is thermostable.

22. (New) A seed obtained from the plant of claim 6.

23. (New) A seed obtained from the plant of claim 7 wherein said seed comprises the heterologous DNA sequence.

24. (New) A method of producing ethanol comprising the steps of:

a) harvesting the plants of claim 6;

b) crushing, grinding or chopping the plants harvested in step a; and

c) adding the plants from step b to a bioreactor.

25. (New) A method of producing ethanol comprising the steps of:

a) chemically inducing the plants of claim 8;

b) harvesting the plants of step a;

c) crushing, grinding or chopping the plants of step ba to release the cellulases; and

d) adding the plants of step c to a bioreactor.

26. (New) A method for enhancing the digestibility of animal feed comprising the step of adding the cellulase expressing plant of claim 6 to a feed mix.

27. (New) The plant of claim 6 further comprising at least one other cellobiohydralase, cellobiose or other enyzme involved in the breaking down of cellulose and hemicellulose into simple sugars as glucose and xylose.

28. (New) A method for enhancing cellulose degradation comprising the steps of:

a) harvesting the plants of claim 27;

b) crushing, grinding or chopping the plants harvested in step a; and

c) fermenting the plants from step b.

29. (New) A method for enhancing cellulose degradation comprising the steps of:

a) harvesting the plants of claim 6;

b) harvesting plant material expressing at least one other of cellobiohydralase, cellobiose, or other enzyme involved in the breaking down of cellulose or hemicellulose;

c) combining the plant material of step a and b;

d) crushing, grinding or chopping the plants combined in step c; and

e) fermenting the plants from step d. --